Academic year 2024-2025

BS in Computer Game Development - BS-GAMD Learning Outcomes

Skills and Technical Knowledge in Computer Science MET

Graduates of the program will develop the professional skills and the necessary technical knowledge both in breadth and in-depth to prepare them for employment and advanced study in Computer Science with a focus on computer game development.

Curriculum Outcomes 1, 2 and 3 /Department of Computer Science

· Graduates of the program will have the ability to analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.

· Graduates of the program will have the ability to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.

· Graduates of the program will have an ability to apply computer science theory and software development fundamentals to produce computing-based solutions.

MEASURES	RESULTS	ACTIONS
Rubrics of Selected Courses Outcome 1 Rubrics of COSC 1336, 1337, 2336, 3302, 4302, 4317, 4340, 4360, and 4272 that use assignments, tests, and projects to assess student performance Outcome 2 Rubrics of COSC 2336, 3302, 4302, 4304, 3308, 4340, and 4317; pass a course and meet the performance criterion of the course. Outcome 3 Rubrics of COSC 2236,4317, 4310, and 4272; Direct - Other **Target** 80% of students are expected to achieve the proficiency outcome 1 results direct.docx outcome 2 results direct.docx outcome 3 results direct.docx	MET **Analysis** See the analysis for Curriculum Outcomes 1, 2 and 3 (attached).	**Other - [Curriculum action]** COMPLETE See the action plans, if any, for Curriculum Outcomes 1, 2 and 3 (attached).
Student Evaluation, Exit Interview, Exit Survey Student Evaluation > 3.75 Exit Interview: Program Quality > 7.5 and Department Student Outcomes > 3.75 Exit Interview: > 3.75 Indirect - Survey: > 3.75 Indirect - Other **Target**	MET **Analysis** Discussed in CS Assessment Committee in June 2025 and action plan, if any, documented.	*No actions have been added.*

0% of students are expected to achieve the proficiency. Indirect Measure Results 2024-2025.docx		

Conclusion

We discussed in our summer CS Assessment Committee meeting in June 2025 and came up with the needed actions.

Awareness of the societal impact and legal and ethical issues MET

Graduates of the program will have sufficient awareness of the local and global societal impact of technology and of the related legal and ethical issues in computer science to make decisions regarding their personal and professional responsibilities.

Curriculum Outcomes 4 and 5 /Department of Computer Science

· Graduates of the program will have an ability to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.

MEASURES	RESULTS	ACTIONS
Rubrics of Selected Courses Outcome 4 Rubrics of COSC 1172, 3325, 4340, 4317, and 4272; pass a course and meet the performance criterion of the course. Outcome 5 Rubrics of COSC 3325, 4360, 1172, 3325, 4360, and 4272; pass a course and meet the performance criterion of the course. Direct - Other **Target** 80% of students are expected to achieve the proficiency outcome 4 results direct.docx outcome 5 results direct.docx	**MET** **Analysis** See the analysis for Curriculum Outcomes 4 and 5 (attached).	**Other - [Curriculum action]** COMPLETE See the action plans, if any for Curriculum Outcomes 4 and 5 (attached).
Student Evaluation, Exit Interview, Exit Survey Student Evaluation > 3.75 Exit Interview: Program Quality > 7.5 and Department Student Outcomes > 3.75 Exit Interview: > 3.75, Exit Survey: > 3.75 Indirect - Other **Target** 80% of students are expected to achieve the proficiency	**MET** **Analysis** Discussed in CS Assessment Committee in June 2025 and action plan, if any, documented.	*No actions have been added.*

[Indirect Measure Results 2024-2025.docx](#)		

Conclusion

We discussed in our summer CS Assessment Committee meeting in June 2025 and came up with the needed actions.

Critical Thinking, Communication, Teamwork, and Leadership Skills MET

Graduates of the program will have the critical thinking, communication, teamwork, and leadership skills necessary to function productively and professionally.

Curriculum Outcomes 6, 7 and 8. /Department of Computer Science

· Graduates of the program will have the ability to communicate effectively in a variety of professional contexts.

· Graduates of the program will have the ability to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

MEASURES	RESULTS	ACTIONS
Rubrics of Selected Courses Outcome 6 pass a course and meet the performance criterion of the course. Rubrics of COSC 4340 and 4360 Outcome 7 pass a course and meet the performance criterion of the course. Rubrics of COSC 3325, 4360 and 4272 Outcome 8 Rubrics of COSC 4360 and 4302; pass a course and meet the performance criterion of the course Direct - Other **Target** 80% of students are expected to achieve the proficiency [outcome 6 results direct.docx](#) [outcome 7 results direct.docx](#) [outcome 8 results direct.docx](#)	MET **Analysis** See the analysis for Curriculum Outcomes 7, 8 and 9 (attached).	**Other - [Curriculum action]** COMPLETE See the action plans, if any for Curriculum Outcomes 7, 8 and 9 (attached).
Student Evaluation, Exit Interview, Exit Survey Student Evaluation > 3.75 Exit Interview: Program Quality > 7.5 and Department Student Outcomes > 3.75 Exit Interview: > 3.75, Exit Survey: > 3.75 Indirect - Other **Target**	MET **Analysis** Discussed in CS Assessment Committee in June 2025 and action plan, if any, documented.	*No actions have been added.*

80% of students are expected to achieve the proficiency [Indirect Measure Results 2024-2025.docx](#)		

Conclusion

We discussed in our summer CS Assessment Committee meeting in June 2025 and came up with the needed actions.

Intellectual Curiosity and Independent Study Skills MET

Graduates of the program will be able to demonstrate intellectual curiosity and the independent study skills necessary for life-long learning.

Outcomes 6, 7 and 8. /Department of Computer Science

 · Graduates of the program will have an ability to independently acquire new computing related skills and knowledge to pursue either further formal or informal learning after graduation.

MEASURES	RESULTS	ACTIONS
Rubrics of Selected Courses Rubrics of COSC 4360 and 4302; pass a course and meet the performance criterion of the course. Direct - Other **Target** 0% of students are expected to achieve the proficiency [outcome 7 results direct.docx](#)	**MET** **Analysis** See the analysis for Curriculum Outcome 7 (attached).	**Other - [Curriculum action]** COMPLETE See the action plans, if any for Curriculum Outcome 7 (attached).
Student Evaluation, Exit Interview, Exit Survey Student Evaluation > 3.75 Exit Interview: Program Quality > 7.5 and Department Student Outcomes > 3.75 Exit Interview: > 3.75, Exit Survey: > 3.75 Indirect - Other **Target** 80% of students are expected to achieve the proficiency [Indirect Measure Results 2024-2025.docx](#)	**MET** **Analysis** Discussed in CS Assessment Committee in June 2025 and action plan, if any, documented.	*No actions have been added.*

Conclusion

We discussed in our summer CS Assessment Committee meeting in June 2025 and came up with the needed actions.

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ability to design, implement and modify software for the computer game MET

Graduates of the program will have the ability to design, implement and modify software for the computer game industry.

MEASURES	RESULTS	ACTIONS
Rubrics of Selected Courses Rubrics COSC 4324 and COSC 4325 All rubrics are defined by each instructor in their course. Direct - Other **Target** >80% Using the instructor defined assessment rubrics in each course/s which are the context for assessment of each of the above criteria, the average score of all students in all the courses for both fall and spring semesters, our department target is 80% of students will demonstrate a working understanding of the specified criteria.	**MET** **Analysis** Students project and assignments were of good quality. The final semester project in COSC 4325 was completed successfully by all students and was of good quality.	*No actions have been added.*

Conclusion

No changes are needed in COSC 4324 and COSC 4325 for next year.